

[illegible]

EXAMINER
EXAMINER

Lam L. Stockton

DATE CONSIDERED

8/21/03

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office				Attorney Docket Number 9065-11		Serial No. 107038,554	
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				Applicants: Caputo et al.		Filing Date: January 2, 2002	
U.S. PATENT DOCUMENTS				Group Unknown			
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate	
JJ	1.	3,282,932	Lincoln et al.	260	240.4		
JJ	2.	3,397,981	Lincoln et al.	96	102		
JJ	3.	3,403,026	Oliver et al.	96	105		
JJ	4.	3,408,195	Oliver	96	105		
JJ	5.	3,656,960	Oliver	96	124		
JJ	6.	4,981,977	Southwick et al.	548	455		
JJ	7.	5,627,027	Waggoner	435	6		
JJ	8.	6,002,003	Shen et al.	544	232		
JJ	9.	6,027,709	Little et al.	424	1.65		
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation Yes No	
JJ	10.	640,127	GB	2(iii)	C2a, C2b, C3.5	N/A	
JJ	11.	WO 99/31181	PCT	C09B	23/06	Yes	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
JJ	12.✓	Babichev et al.; "Benzothiazolylalkyl Carbinols" translated from <i>Zhurnal Obshchei Khimii</i> 32:3 850-857 (1962).					
JJ	13.✓	Babichev; "Condensation of o-Aminobenzenethiol with Lactones" translated from <i>Zhurnal Obshchei Khimii</i> 33:9 2942-2948 (1963).					
JJ	14.✓	Brooker; "Chapter II - Sensitizing and Desensitizing Dyes" <i>The Theory of the Photographic Process</i> 198-232, YEAR NOT AVAILABLE					
JJ	15.✓	Dähne; "Spectral Sensitization and Electronic Structure of Organic Dyes" <i>Photographic Science and Engineering</i> 23:4 219-239 (1979).					
JJ	16.✓	Dieckmann et al.; "Ueber Chlormalonaldehyd, [2-Chlorpropen (2)-ol(3)-al(1)]" <i>Berichte</i> 4638-4639 (1904).					

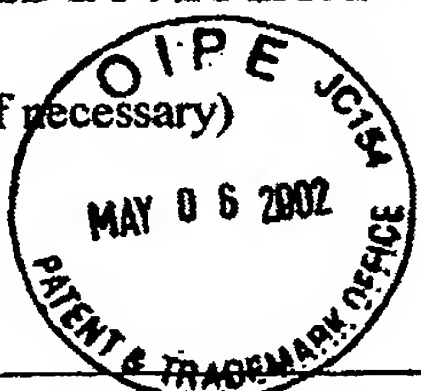
EXAMINER
EXAMINER

Lam L. Stockton

DATE CONSIDERED

8/21/03

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		Attorney Docket Number 9065-11	Serial No. 10/038,554
		Applicants: Caputo et al.	MAY 08 2002 RECEIVED TECH CENTER 1600/2900
		Filing Date: January 2, 2002	Group Unknown

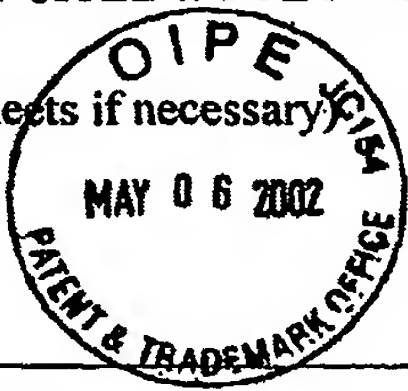







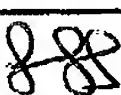
17.	Fry; "Chapter 15 - Cyanine Dyes and Related Compounds" <i>Rodd's Chemistry of Carbon Compounds, Second Edition</i> 4(b) 369 (1977).
18.	Fry; "Chapter 15 - Cyanine Dyes and Related Compounds" <i>Supplements to the 2nd Edition of Rodd's Chemistry of Carbon Compounds</i> 267-268 (1985).
19.	Hamer; "Some Unsymmetrical Pentamethincyanine Dyes" <i>J. Chem. Soc.</i> 32 32-37 (1969).
20.	Imasaka et al.; "Semiconductor Laser Fluorimetry in the Near-Infrared Region" <i>Anal. Chem.</i> 56 1077-1079 (1984).
21.	Imasaka et al.; "Diode Lasers and Practical Trace Analysis" <i>Analytical Chemistry</i> 62:6 363A-371A (1990).
22.	Kiprianov; "Influence of the Solvent on the Colour of Dyes (Solvatochromism)" <i>Russian Chemical Reviews</i> 29:11 618-626 (1960).
23.	Kiprianov et al.; "The Colour of Dyes and Steric Hindrance in their Molecules" <i>Russian Chemical Reviews</i> 35:5 361-373 (1966).
24.	Kiprianov et al.; "Absorption Spectra of Organic Dyes Containing Two Chromophores" <i>Russian Chemical Reviews</i> 40:7 594-607 (1971).
25.	Lindsey et al.; "Visible Light-Harvesting in Covalently-Linked Porphyrin-Cyanine Dyes" <i>Tetrahedron</i> 45:15 4845-4866 (1989).
26.	Mank et al.; "Visible Diode Laser Induced Fluorescence Detection in Liquid Chromatography after Precolumn Derivatization of Thiols" <i>Anal. Chem.</i> 65 2197-2203 (1993).
27.	Mank et al.; "Visible Diode Laser-Induced Fluorescence Detection in Liquid Chromatography after Precolumn Derivatization of Amines" <i>Anal. Chem.</i> 67 1742-1748 (1995).
28.	Mikhailenko et al.; "Effect of Polar Substituents and the Length of the Polymethine Chain on the Color of Cyanine Dyes of the Benzo [c,d] Indole Series" translated from <i>Zhurnal Organicheskoi Khimii</i> 18:2 435-441 (1982).
29.	Mujumdar et al.; "Cyanine Dye Labeling Reagents Containing Isothiocyanate Groups" <i>Cytometry</i> 10 11-19 (1989).
30.	Mujumdar et al.; "Cyanine Dye Labeling Reagents" Sulfoindocyanine Succinimidyl Esters" <i>Bioconjugate Chemistry</i> 4:2 105-111 (1993).
31.	Mujumdar et al.; "Cyanine-Labeling Reagents: Sulfobenzindocyanine Succinimidyl" <i>Bioconjugate Chem.</i> 7 356-362 (1996).
32.	Narayanan et al.; "A New Method for the Synthesis of Heptamethine Cyanine Dyes: Synthesis of New Near-Infrared Fluorescent Labels" <i>J. Org. Chem.</i> 60 2391-2395 (1995).

 EXAMINER
 EXAMINER


Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance with next communication to applicant

DATE CONSIDERED

8/21/03

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		Attorney Docket Number 9065-11	Serial No. 10/038,554
		Applicants: Caputo et al.	RECEIVED MAY 08 2002 TECH CENTER 1600/2500
		Filing Date: January 2, 2002	
	33. ✓	Pomogaev et al.; "Meso-Bromo-Substituted Tricarbocyanines with Cyclic Fragments in the Conjugation Chain" translated from <i>Zhurnal Organicheskoi Khimii</i> 17:1-167-169 (1981), 180-181	
	34. ✓	Reynolds et al.; "Stable Heptamethine Pyrylium Dyes that Absorb in the Infrared" <i>J. Org. Chem.</i> 42:5 885-888 (1977).	
	35. ✓	Strekowski et al.; "Facile Derivatizations of Heptamethine Cyanine Dyes" <i>Synthetic Communications</i> 22:17 2593-2598 (1992).	
	36. ✓	Strekowski et al.; "Substitution Reactions of a Nucleofugal Group in Heptamethine Cyanine Dyes. Synthesis of an Isothiocyanato Derivative for Labeling of Proteins with a Near-Infrared Chromophore" <i>J. Org. Chem.</i> 57 4578-4580 (1992).	
	37. ✓	Sturmer et al.; "Table of Contents for Chapter 8 - Syntheses and Properties of Cyanine and Related Dyes" <i>Special Topics in Heterocyclic Chemistry</i> 441 (1977).	
	38. ✓	Yu et al.; "Cyanine dye dUTP analogs for enzymatic labeling of DNA" <i>Nucleic Acids Research</i> 22:15 3226-3232 (1994).	
	39. ✓	Zhu et al.; "Directly labeled DNA probes using fluorescent nucleotides with different length linkers" <i>Nucleic Acids Research</i> 22:16 3418-3422 (1994).	
	40. ✓	Zollinger; "Color Chemistry" 51-69, 361-396 (1987).	

 EXAMINER
 EXAMINER



DATE CONSIDERED

8/21/03

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

